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SNP V2.6 – 14.02.25

MacPro 6,1 Screens assignments to match Catalyst V5 PRO 'Display-Index' order

The following tables show screen configurations using **ACTIVE** MDP-DVI or MDP-HDMI cables ([Lindy](#) or [Startech](#))
 Some configurations include connections to Thunderbolt-PCIe chassis ([Sonnet](#))
 Configurations including Apple MDP-DVI-DL USB powered adaptor and Datapath X4 are shown but not recommended.

NOTES:

- **MDP 1, MDP 2...etc labelling refers to Apple's Multi-display documentation**
- **MDP 1, MDP 2 does not relate to the 'Display-index' or screen order**
- Apple logo appears on Screen 1 (MDP4) during boot
- The MDP port relates to the 'Display-index' in catalyst
- Display Index 1 is always the primary screen
- Assign the Primary Screen to the monitor connected to MDP4.
- Users must move screens in system preferences to match Catalyst 'Display-index' order
- It is easier to attach the screens 1-by-1
- Arrange the screens in a line (1-6) in system preferences.
- Move screen 4 down in the arrangement to make it easier to identify the screens in catalyst (see picture)
- The order will remain the same unless the EDID or screen is changed/removed
- To obtain 6x outputs from MacPro 6,1 **ACTIVE** MDP-DVI or MDP-MDMI adaptors or cables must be used
- Only 2 screens can be connected to Thunderbolt bus 2 – either MDP+MDP or MDP+HDMI
- Apple MDP-DVI-DL USB powered adaptor (white) works but is only required for dual-link resolutions
- All outputs should be the same resolution and refresh rate.
- The 'Display-index' in Catalyst V5 n561 is fixed and cannot be changed.

The composite image is divided into several sections:

- Catalyst Outputs:** A vertical list of 6 outputs, each with a 'Full Screen On' and 'HUD Off' indicator and a 'Display Index' number (1-6).
- System Preferences Screen Arrangement:** A screenshot of the 'Display' pane in System Preferences, showing 6 displays arranged in a horizontal line and numbered 1 to 6.
- MacPro 6,1 Ports:** A photograph of the MacPro 6,1 rear panel with labels for MDP 1-6, HDMI, and Thunderbolt BUS 0, 1, and 2.
- Output 1 through Output 6:** A grid of 6 columns, each representing a different output configuration. Each cell in the grid shows a Catalyst output configuration with various settings like resolution, refresh rate, and display index.

Table 1

6x Screens, WITHOUT TB2-PCIe expansion

Screen No: MDP Output MDP Output Screen No:

Screen 6	MDP 1	MDP 2	Screen 2
Screen 5	MDP 3	MDP 4	Screen 1
Screen 4	MDP 5	MDP 6	Screen 3
X	HDMI		



Table 2

6x Screens, WITH TB2-PCIe and using HDMI OUT

Screen No: MDP Output MDP Output Screen No:

Screen 6	MDP 1	MDP 2	Screen 2
Screen 5	MDP 3	MDP 4	Screen 1
TB2-PCIe Chassis	MDP 5	MDP 6	Screen 3
Screen 4	HDMI		

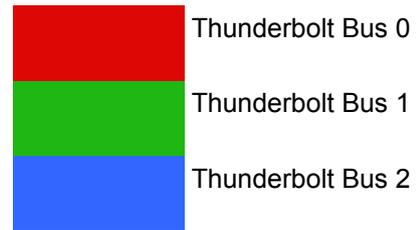
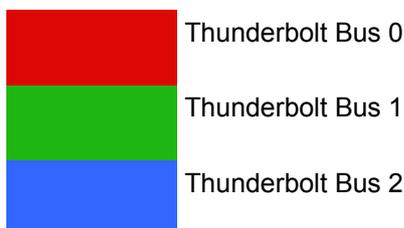


Table 3

6x Screens, WITH TB2-PCIe using TB2 Loop through

Screen No: MDP Output MDP Output Screen No:

Screen 6	MDP 1	MDP 2	Screen 2
Screen 5	MDP 3	MDP 4	Screen 1
TB2-PCIe Chassis *	MDP 5	MDP 6	Screen 3
X	HDMI		



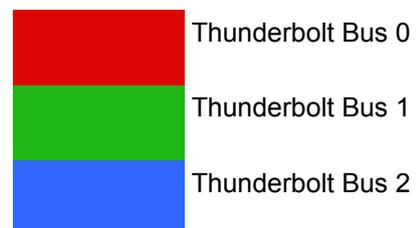
* Screen 4 connected to TB2-PCIe chassis loop-thru using Active MDP-DVI cable

Table 4

4x Screens + Datapath WITH TB2-PCIe

Screen No: MDP Output MDP Output Screen No:

TB2-PCIe Chassis	MDP 1	MDP 2	Screen 2
Datapath X4 *	MDP 3	MDP 4	Screen 1
Screen 4	MDP 5	MDP 6	Screen 3
X	HDMI		



* Datapath X4 connected using Apple MDP-DVI-DL USB powered adaptor. *This configuration is not recommended.*